

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

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44. (previously presented) An ambulatory medical pumping system comprising:

an ambulatory medical pump, the ambulatory medical pump including:

a pump mechanism;

a programmable circuit programmed to control the pump mechanism, the

programmable circuit being independently programmable and operable;

a communication port in electrical communication with the programmable circuit;

and

an ambulatory remote electronic device including:

a communication port; and

a circuit in electrical communication with the communication port of the ambulatory remote electronic device, the circuit configured to selectively transmit a signal to the communication port of the ambulatory medical pump, wherein the signal affects operation of the programmable circuit in the ambulatory medical pump.

45. (previously presented) The ambulatory medical pumping system of claim 44 further comprising a wired link selectively connectable between the communication port of the ambulatory remote electronic device and the communication port of the ambulatory medical pump.

46. (previously presented) The ambulatory medical pumping system of claim 44 wherein the circuit and communication port of the ambulatory remote electronic device are configured to wirelessly transmit the signal to the ambulatory medical pump.

47. (previously presented) The ambulatory medical pumping system of claim 46 wherein the circuit and communication port of the ambulatory remote electronic device are configured to transmit an infrared signal.

48. (previously presented) The ambulatory medical pumping system of claim 44 wherein the circuit in the ambulatory remote electronic device is a programmable circuit.

49. (previously presented) The ambulatory medical pumping system of claim 48 wherein the ambulatory remote electronic device further includes a display in electrical communication with the circuit.

50. (previously presented) The ambulatory medical pumping system of claim 48 wherein the ambulatory remote electronic device is a second ambulatory medical pump.

51. (previously presented) The ambulatory medical pumping system of claim 44 wherein:

the ambulatory medical pump includes a user interface having at least one key, the user interface being in electrical communication with the programmable circuit in the ambulatory medical pump;

the ambulatory remote electronic device includes a user interface having at least one key, the user interface being in electrical communication with the circuit in the ambulatory remote electronic device; and

at least one key on the user interface of the ambulatory remote electronic device has a comparable key on the user interface of the ambulatory medical pump.

52. (previously presented) The ambulatory medical pumping system of claim 51 wherein:  
the programmable circuit in the ambulatory medical pump is programmed to execute a function; and  
a key of the ambulatory medical pump and a comparable key of the ambulatory remote electronic device both initiate execution the function.

53. (previously presented) The ambulatory medical pumping system of claim 44 wherein:  
the ambulatory medical pump includes a user interface having at least one key, the user interface being in electrical communication with the programmable circuit;  
the ambulatory remote electronic device includes a user interface having at least one key, the user interface being in electrical communication with the circuit in the ambulatory remote electronic device; and  
each of the one or more keys on the user interface of the ambulatory remote electronic device has a comparable key on the user interface of the ambulatory medical pump.

54. (previously presented) The ambulatory medical pumping system of claim 44 wherein the circuit of the ambulatory remote electronic device has a master mode and the programmable circuit of the ambulatory medical pump has a slave mode.

55. (previously presented) The ambulatory medical pumping system of claim 54 wherein the programmable circuit in the ambulatory medical pump has a slave mode and a normal pumping

mode, and the programmable circuit will not control the pumping mechanism to deliver fluid when in the slave mode.

56. (previously presented) The ambulatory medical pumping system of claim 44 wherein:
- the circuit in the ambulatory remote electronic device is configured to selectively transmit a code;
  - the ambulatory medical pump includes one or more keys in electrical communication with the programmable circuit;
  - the programmable circuit in the ambulatory medical pump is programmed with the code, the code preventing operation of the programmable circuit from being altered by manipulation of the one or more keys on the ambulatory medical pump; and
  - the programmable circuit in the ambulatory medical pump at least partially enables operation of the programmable circuit in the ambulatory medical pump to be effected by a signal received from the ambulatory remote electronic device upon processing the code received from the ambulatory remote electronic device.

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